

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the applications:

1. (Currently amended) An oligonucleotide that may be used as a primer, in particular a forward primer, to amplify a nucleic acid region of a genital human papilloma virus (HPV) and that has the sequence 5'-CAR GCI AAA WWW KTD AAR GAY TGT G-3' (SEQ ID no. 136) or 5'-CAR GCN AAA WWW KTD AAR GAY TGT G-3' (SEQ ID no. 1), wherein R = A or G, W = T or A, K = T or G, I = inosine, N = A, T, G, or C, D = A, T, or G, and Y = C or T.

2. (Currently amended) The oligonucleotide of Claim 1, wherein the oligonucleotide is selected from the group comprising:

- a) an oligonucleotide having the nucleotide sequence 5'-CAR GCI AAA TAT KTR AAA GAT TGT G-3' (SEQ ID no. 137) or 5'-CAR GCN AAA TAT KTR AAA GAT TGT G-3' (SEQ ID no. 2),
- b) an oligonucleotide having the nucleotide sequence 5'-CAR GCA AAA TAT GTW AAG GAT TGT G-3' (SEQ ID no. 3),
- c) an oligonucleotide having the nucleotide sequence 5'-CAR GCW AAA ATT GTA AAR GAT TGT G-3' (SEQ ID no. 4),
- d) an oligonucleotide having the nucleotide sequence 5'-CAA GCA AAA ATA GTA AAR GAC TGT G-3' (SEQ ID no. 5), and
- e) an oligonucleotide having the nucleotide sequence 5'-CAR GCA AAA TAT GTA AAA GAC TGT G-3' (SEQ ID no. 6),

wherein R = A or G, W = T or A, K = T or G, I = is inosine, and N = A, T, G, or C.

3. (Previously presented) An oligonucleotide that may be used as a primer, in particular a reverse primer, to amplify a nucleic acid region of a genital human papilloma virus having the nucleotide sequence 5'-ARY GGY TSY ARC CAA AAR TGR CT-3' (SEQ ID no. 7), wherein R = A or G, Y = C or T, and S = C or G.

Claims 4-28. (Canceled)

29. (Previously presented) A nucleotide array for detecting and/or identifying the genotype of a human papilloma virus contained in a biological sample comprising a solid carrier having a surface and at least one first oligonucleotide or nucleic acid molecule bound to the carrier surface that is suitable for use as a probe for testing the HPV gene E1 or a portion thereof to detect and/or identify a genital human HPV genotype selected from the group comprising:

- a) HPV genotype-specific oligonucleotides having the nucleotide sequences recited in SEQ ID nos. 8 to 135,
- b) oligonucleotides that have a nucleotide sequence that is mutated relative to one of the oligonucleotides of a), namely, a deletion or addition of 1 to 10 nucleotides or a substitution of 1 to 3 nucleotides in one of the nucleotide sequences recited in a),
- c) oligonucleotides that have a nucleotide sequence that is complementary over its entire length to the nucleotide sequence of an oligonucleotide of a) or b) ,
- d) nucleic acid molecules comprising at least one region that has one of the nucleotide sequences recited in a) to c) and one or more additional regions having a total length of at least one nucleotide, and
- e) mixtures of the oligonucleotides of a) to c) and/or of the nucleic acid molecules of d).

30. (Previously presented) The nucleotide array of Claim 29, wherein the carrier is platelet-shaped, for example in the form of a microscope slide, or is platelet-shaped with depressions, for example as a chamber slide or as a microtiter plate having the dimensions stated in the recommendations of the SBS (Society of Biomolecular Screening).

31.-69. (Canceled)